

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application) PATENT APPLICATION
Inventor(s): David L. Multer)
Robert E. Garner)
Leighton A. Ridgard)
Liam J. Stannard)
Donald W. Cash)
SC/Serial No.: Unknown)
Filed: Herewith)
Title: DATA TRANSFER AND) Customer No. 23910
SYNCHRONIZATION SYSTEM)
_____)

CERTIFICATE OF MAILING BY "EXPRESS MAIL"
UNDER 37 C.F.R. §1.10

"Express Mail" mailing label number: EL 622 697 412 US
Date of Mailing: January 2, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service, utilizing the "Express Mail Post Office to Addressee" service addressed to **Box PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231** and mailed on the above Date of Mailing with the above "Express Mail" mailing label number.



(Signature)

Johann S. Mercado

Signature Date: January 2, 2001

PRELIMINARY AMENDMENT

Box PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Sir:

Please enter amendments to the accompanying application as follows:

Amendments

In the Specification:

Please amend the title by deleting the title and inserting therefor
"SYNCHRONIZATION SYSTEM APPLICATION OBJECT INTERFACE".

On page 1, line 1, please insert --This application is a continuation of Application Serial No. 09/490,550, filed January 25, 2000.--

On page 1, line 7, please insert a period after "whatsoever".

On page 2, line 10, after "organizer," insert --a notebook computer--.

On page 2, line 10, delete "perhaps".

On page 2, line 10, delete "The individual may".

On page 2, delete lines 11-13.

On page 3, line 14, delete "determinant" and insert therefor --determination-- and delete "allows" and insert therefor --requires--.

On page 3, line 25, delete "instances" and insert therefor --cases--.

On page 4, line 5, delete "relatively".

On page 5, line 12 - page 7, line 9, delete the "SUMMARY OF THE INVENTION" and insert therefor:

--The invention, roughly described, comprises an application object for a synchronization system on a network coupled processing device, comprising a plurality of objects, each object translating third party data to a universal middle format, including a root object providing an entry point into individual application databases; and at least one child object; and at least one interface object. The synchronization system is useful in maintaining matching records and data for a user across multiple network coupled devices.

In a further embodiment, an application object on a server coupled to a network, comprises an application data function call interpreter. The interpreter is accessible to a synchronization engine and an application running on a network coupled device having user data; and a universal data record mapping formatter.--

On page 9, line 18, please insert the following paragraph:

--Personal Information Space

As used herein, the term "personal information space" means a data store of information customized by, and on behalf of a user including contacts, events, bookmarks, tasks, notes, and other data objects such as text files or data files which belong to the user.--

On page 10, line 18, please delete "(an" and insert therefor --(and--.

On page 19, line 9, after "data packages," please insert --an example of--.

On page 26, line 14, please delete "sync server" and insert therefor --Sync Server--.

On page 31, line 27, after "devices" insert --Hence, the user's personal information store is maintained on a user-by-user basis.--

On page 32, line 7, delete "would free" and insert therefor --frees--.

On page 34, line 18, before "Folder" insert --The-- and after "also" insert --a--.

On page 34, line 20, insert --The-- before "*FindItem*".

On page 34, line 22, insert --The-- before "*ModifyItem*".

On page 34, line 27, insert --The-- before "Item object".

On page 35, line 7, insert --The-- before "Attachment".

On page 35, line 8, delete "Only Item can" and insert therefor --Only the item object can--.

On page 36, line 29, after "Another" insert --exemplary--.

On page 36, line 29, delete "that is worth exploring is Binary. Binary" and insert therefor --is Binary. A Binary--.

On page 36, line 30, after "represent" delete "a".

On page 63, line 22, delete "bite" and insert therefor --byte--.

On page 63, line 25, delete "bite" and insert therefor --byte--.

On page 63, line 27, delete "bites" and insert therefor --bytes--.

On page 63, line 28, delete "bites" and insert therefor --bytes--.

On page 63, line 29 delete "bites" and insert therefor --bytes--.

On page 63, line 30, delete "bites" and insert therefor --bytes--.

On page 65, line 3, delete "allocation" and insert therefor --application--.

In the Claims:

Please delete claims 1-79 and insert therefor:

1 80. An application object for a synchronization system on a network coupled
2 processing device, comprising:

3 a plurality of objects, each object translating third party data to a universal middle
4 format, including

5 a root object providing an entry point into individual application databases;

6 at least one child object; and

7 at least one interface object.

1 81. The application object of claim 80 wherein the at least one interface object
2 is a component object model interface.

1 82. The application object of claim 80 wherein the root object is specific to the
2 application on the network coupled device to which the application object is a part.

1 83. The application object of claim 80 wherein a parent object of said at least
2 one child object is the root object.

1 84. The application object of claim 83 wherein the child object is a store object
2 comprising a database of individual application information.

09753643-0102031
F02070"CH952760

1 85. The application object of claim 84 wherein the store object is a parent object
2 of at least a second child object and said at least second child object comprises a folder
3 object.

1 86. The application object of claim 85 wherein the folder object is a parent object
2 of at least a third child object and said at least third child object comprises an item object.

1 87. The application object of claim 86 wherein the item object is a parent object
2 of at least a fourth child object and said at least fourth child object comprises an
3 attachment object.

1 88. The application object of claim 87 wherein the item object is a parent object
2 of at least a fourth child object and said at least fourth child object comprises an
3 attachment object.

1 89. The application object of claim 88 wherein the root object is a parent object
2 of at least a fifth child object and said at least fifth child object comprises a variant object.

1 90. The application object of claim 89 wherein the variant object is a collection
2 representing an array of variant objects.

1 91. The application object of claim 89 wherein the variant object is a binary data
2 object.

2000-08-04 14:50

1 99. The application object of claim 98 wherein the application data function call
2 interpreter accesses user change data recorded by the application running on the network
3 coupled device and interprets the function calls of the synchronization engine.

1 100. The application object of claim 99 wherein the application data function call
2 interpreter includes an initialization call to perform an initialization of the device before data
3 retrieval functions are called.

4 101. The application object of claim 99 wherein the application data function call
5 interpreter includes a close database call.

1 102. The application object of claim 99 wherein the application data function call
2 interpreter includes a get first modified record call.

1 103. The application object of claim 102 wherein the application data function call
2 interpreter includes a get next modified record call.

1 104. The application object of claim 99 wherein the application data function call
2 interpreter includes an add record call.

1 105. The application object of claim 99 wherein the application data function call
2 interpreter includes an update record call.

1 106. The application object of claim 99 wherein the application data function call
2 interpreter includes a delete record call.

107. The application object of claim 103 wherein the application data function call interpreter includes a set device records call to forward a list of records to add to the modified records list to be retrieved by the get first modified record call and the get next modified record call.

In the Abstract:

On page 94, line 2 - page 95, line 7, please delete the Abstract and insert therefor:

-In one aspect, an application object for a synchronization system is provided on a network coupled processing device. The application object may comprise a plurality of objects, each object translating third party data to a universal middle format, including a root object providing an entry point into individual application databases; and at least one child object; and at least one interface object.

In another aspect, an application object is provided on a server coupled to a network. In this aspect, the application object may comprise an application data function call interpreter, the interpreter being accessible to a synchronization engine and an application running on a network coupled device having user data; and a universal data record mapping formatter.--

Remarks

This Preliminary Amendment is submitted in order to enter new claims directed to a unique aspect of the inventive subject matter presented in the application, and to provide a revised Summary and Abstract in accordance with the new claims.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: 1/2/2001

By: 
Larry E. Vierra
Reg. No. 33,809

FLIESLER, DUBB, MEYER & LOVEJOY LLP
Four Embarcadero Center, Suite 400
San Francisco, California 94111-4156
Telephone: (415) 362-3800